

Name \_\_\_\_\_

## Erosion Webquest

20 pts

To access the websites necessary to answer the questions in this activity, follow the directions below:

1. Go to [amosfc.wikispaces.com](http://amosfc.wikispaces.com)
2. Click on Environmental Science (left hand side of screen)
3. Click on "Helpful Websites"
4. Click on the appropriate website for each section

### **A. Grand Canyon National Park Service**

1. The Grand Canyon National Park lies in which U.S. state? \_\_\_\_\_
2. What is the length of the Grand Canyon? \_\_\_\_\_ river miles
3. What is the minimum width of the Grand Canyon (Marble Canyon)? \_\_\_\_\_ feet
4. What is the average width of the Grand Canyon from rim to rim? \_\_\_\_\_ miles
5. What is the maximum width of the Grand Canyon from rim to rim? \_\_\_\_\_ miles
6. What is the average depth of the Grand Canyon? \_\_\_\_\_

### **B. Grand Canyon Facts and Figures**

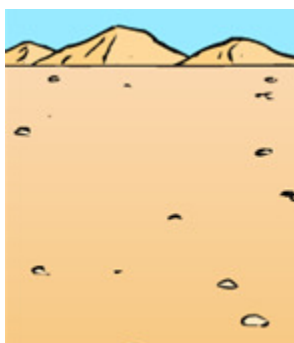
7. How long did the Grand Canyon take to form? \_\_\_\_\_
8. The river that created and runs through the Grand Canyon is the \_\_\_\_\_.
9. The Grand Canyon includes about \_\_\_\_\_ species of mammals and \_\_\_\_\_ species of birds.
10. The Grand Canyon includes about \_\_\_\_\_ species of reptiles and \_\_\_\_\_ species of amphibians.

### C. Shape it Up: An Earth Changing Erosion Activity

Using the “Shape It Up” simulation to help you, complete the following:

- Write how long it would take the original image on the left to look like each of the landforms shown on the right (Note: They are NOT necessarily in order)
  - 100 years
  - 10,000 years
  - 2,000,000 years
- Then circle the force responsible for the erosion

Original

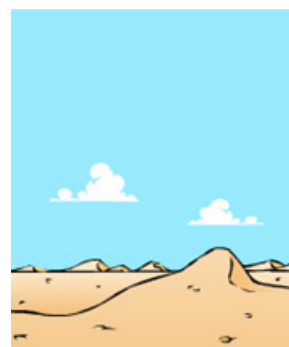
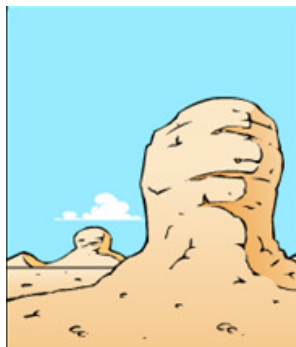
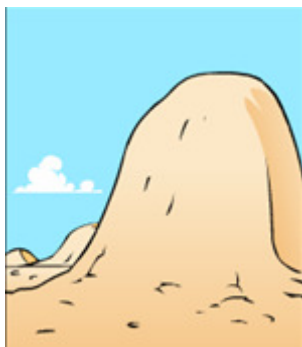


Force

Wind  
Water  
Volcano  
Glacier

Amount of Time to  
change from original: \_\_\_\_\_

Original



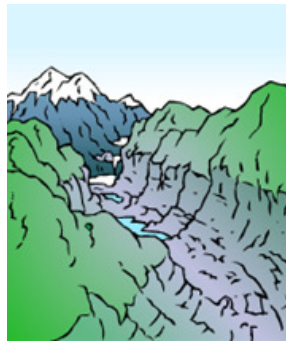
Force

Wind  
Water  
Volcano  
Glacier

Amount of Time to  
change from original: \_\_\_\_\_

Original

Force



Wind  
Water  
Volcano  
Glacier

Amount of Time to  
change from original:

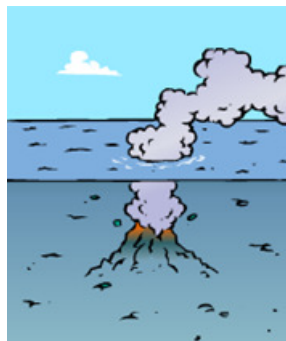
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Original

Force



Wind  
Water  
Volcano  
Glacier

Amount of Time to  
change from original:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### **D. The Dirt on Soil**

Once you have gotten this far, you can explore this site more. Try a game on the site by clicking on the “Soil Safari” icon. Follow the directions on the website. You are NOT to go to any other websites.